



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No. 5947

Kelly Bushing

P. O. BOX 1599 PHONE (316) 838-0601 WICHITA, KANSAS 67201

Elevation 1387 KB Formation Simpson Eff. Pay Ft.

District Augusta Date 9-16 Customer Order No. -

COMPANY NAME Pool Petroleum, Inc

ADDRESS 525 Sutton Place, Wichita, Kans.

LEASE AND WELL NO. Ginzel #1 COUNTY Sedgwick STATE Kans. Sec. 3 Twp 27s Rge 2E

Mail Invoice To Ginzel Same No. Copies Requested 1

Co. Name Address

Mail Charts To Same No. Copies Requested 5

Address

Formation Test No. 1 Interval Tested from 3313 ft. to 3318 ft. Total Depth 3318 ft.

Packer Depth 3308 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3313 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3301 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 3305 ft. Recorder Number 1560 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Brandt Rig #1 Drill Collar Length 120 I. D. 2 1/4 in.

Mud Type Chem. Viscosity 38 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 14.4 cc. Drill Pipe Length 3190 I. D. 2 1/2 in.

Chlorides 2700 P.P.M. Test Tool Length 27 ft. Tool Size 4 1/2 in. 00

Jars: Make NO Serial Number - Anchor Length 5 ft. Size 4 1/2 in. 00

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7/8 in. Tool Joint Size 3 1/2 IF & FH in.

Blow: Very weak 1/2 min low for

Recovered 8 ft. of drill mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Rig had several break-down problems

On Loc 11:30 AM Pick up tool 3:00 pm Job complete @ 2:00 AM 9-17-80

Time Set Packer(s) 9:00 AM Time Started Off Bottom 10:30 AM Maximum Temperature 113

Initial Hydrostatic Pressure (A) 1680 P.S.I.

Initial Flow Period Minutes 15 (B) 0 P.S.I. to (C) 2 P.S.I.

Initial Closed In Period Minutes 30 (D) 1150 P.S.I.

Final Flow Period Minutes 15 (E) 10 P.S.I. to (F) 10 P.S.I.

Final Closed In Period Minutes 30 (G) 1105 P.S.I.

Final Hydrostatic Pressure (H) 1665 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount. ARON RUSSELL

Test Approved By Signature of Customer or his authorized representative

Western Representative Allen Edgington

FIELD INVOICE

Open Hole Test \$550.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

15 Mileage \$ 1123

Fluid Sampler \$

Extra Charts \$

TOTAL \$662.25

WESTERN TESTING CO., INC.

Pressure Data

Date 9-16-80

Test Ticket No. 5947

Recorder No. 3354

Capacity 4200

Location 3301 Ft.

Clock No. _____ Elevation 1387 KB

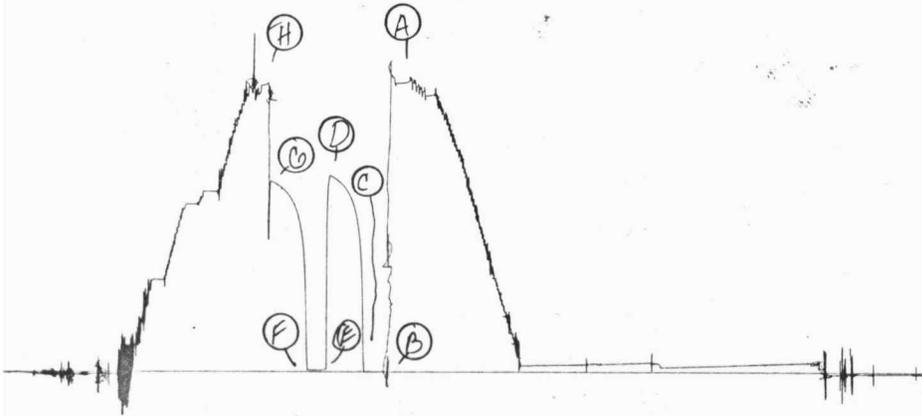
Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1568</u>	P.S.I.	<u>9:00</u> P _M	
B First Initial Flow Pressure	<u>2</u>	P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>2</u>	P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1063</u>	P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>11</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>11</u>	P.S.I.		
G Final Closed-in Pressure	<u>1036</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1555</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>3</u> mins.	and a final inc. of <u>0</u> Min.	of <u>9</u> mins.	and a final inc. of <u>0</u> Min.	of <u>3</u> mins.	and a final inc. of <u>0</u> Min.	of <u>3</u> mins.	and a final inc. of <u>0</u> Min.
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>2</u>	0	<u>2</u>	0	<u>11</u>	0	<u>11</u>	
P 2	<u>2</u>	3	<u>523</u>	3	<u>11</u>	3	<u>424</u>	
P 3	<u>2</u>	6	<u>766</u>	6	<u>11</u>	6	<u>713</u>	
P 4	<u>2</u>	9	<u>886</u>	9	<u>11</u>	9	<u>831</u>	
P 5		12	<u>951</u>	12		12	<u>901</u>	
P 6		15	<u>992</u>	15		15	<u>947</u>	
P 7		18	<u>1017</u>	18		18	<u>973</u>	
P 8		21	<u>1036</u>	21		21	<u>994</u>	
P 9		24	<u>1051</u>	24		24	<u>1008</u>	
P10		27	<u>1063</u>	27		27	<u>1027</u>	
P11		30		30		30	<u>1036</u>	
P12		33		33		33		
P13		36		36		36		
P14		39		39		39		
P15		42		42		42		
P16		45		45		45		
P17		48		48		48		
P18		51		51		51		
P19		54		54		54		
P20		57		57		57		
		60		60		60		

144 #5947
0



1560

Company Pool Petroleum, Inc. Lease & Well No. Ginzel #1
 Elevation 1387 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 5947
 Date 9-16-80 Sec. 3 Twp. 27S Range 2E County Sedgwick State Kansas
 Test Approved by Aron Russell Western Representative Allen Edgington

Formation Test No. 1 Interval Tested from 3313 ft. to 3318 ft. Total Depth 3318 ft.
 Packer Depth 3308 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3313 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3301 ft. Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) 3305 ft. Recorder Number 1560 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Brandt Rig #1 Drill Collar Length 120 I. D. 2 1/4 in.
 Mud Type Chemical Viscosity 38 Weight Pipe Length - I. D. - in.
 Weight 9.5 Water Loss 14.4 cc. Drill Pipe Length 3190 I. D. 2.7 in.
 Chlorides 2700 P.P.M. Test Tool Length 27 ft. Tool Size 4 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 5 ft. Size 4 1/2 OD in.
 Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 IF & FH in.

Blow: Very weak blow for 7 minutes.

Recovered 8 ft. of drilling mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 9:00 ~~AM~~ P.M. Time Started Off Bottom 10:30 ~~AM~~ P.M. Maximum Temperature 113
 Initial Hydrostatic Pressure (A) 1568 P.S.I.
 Initial Flow Period Minutes 15 (B) 2 P.S.I. to (C) 2 P.S.I.
 Initial Closed In Period Minutes 27 (D) 1063 P.S.I.
 Final Flow Period Minutes 15 (E) 11 P.S.I. to (F) 11 P.S.I.
 Final Closed In Period Minutes 30 (G) 1036 P.S.I.
 Final Hydrostatic Pressure (H) 1555 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9-16-80

Test Ticket No. 5947

Recorder No. 3354

Capacity 4200

Location 3301 Ft.

Clock No. -

Elevation 1387 Kelly Bushing

Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1568</u> P.S.I.	Open Tool	<u>9:00P</u> M	
B First Initial Flow Pressure	<u>2</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>2</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1063</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>11</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>11</u> P.S.I.			
G Final Closed-in Pressure	<u>1036</u> P.S.I.			
H Final Hydrostatic Mud	<u>1555</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>2</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>11</u>	<u>0</u>	<u>11</u>
P 2 <u>5</u>	<u>2</u>	<u>3</u>	<u>523</u>	<u>5</u>	<u>11</u>	<u>3</u>	<u>424</u>
P 3 <u>10</u>	<u>2</u>	<u>6</u>	<u>766</u>	<u>10</u>	<u>11</u>	<u>6</u>	<u>713</u>
P 4 <u>15</u>	<u>2</u>	<u>9</u>	<u>886</u>	<u>15</u>	<u>11</u>	<u>9</u>	<u>831</u>
P 5 _____	_____	<u>12</u>	<u>951</u>	_____	_____	<u>12</u>	<u>901</u>
P 6 _____	_____	<u>15</u>	<u>992</u>	_____	_____	<u>15</u>	<u>947</u>
P 7 _____	_____	<u>18</u>	<u>1017</u>	_____	_____	<u>18</u>	<u>973</u>
P 8 _____	_____	<u>21</u>	<u>1036</u>	_____	_____	<u>21</u>	<u>994</u>
P 9 _____	_____	<u>24</u>	<u>1051</u>	_____	_____	<u>24</u>	<u>1008</u>
P10 _____	_____	<u>27</u>	<u>1063</u>	_____	_____	<u>27</u>	<u>1027</u>
P11 _____	_____	_____	_____	_____	_____	<u>30</u>	<u>1036</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____